

One Week Short Term Training Program

on

“Fundamentals and Recent Advances in Electrical Vehicles”

(Physical Mode)

3rd March - 7th March 2025

Organized By:

Electrical Engineering Department

GIDC Degree Engineering College, Abrama,
Navsari - 396406



Sponsored By : GUJCOST, DST



ABOUT INSTITUTE

The Institute was established in 2012 with the vision of to be an ever-growing premier institution in the field of engineering education by moulding the dedicated and competent engineers for the society. The institute is PPP mode approved by AICTE, affiliated GTU and managed by GIDC Education Society of GIDC Nigam, Gandhinagar. The institute is offering degree courses of Automobile, Civil, Computer, Electrical and Mechanical Engineering.

The sole aim of Institute is to impart Engineering Education amongst the students with compatible means they need for their professional & ethical growth and to create an intellectual environment in line of professional skills development..

ABOUT DEPARTMENT

Electrical Engineering Department was established since the inception of the institute with the vision of to prepare competent and committed electrical engineers to contribute the society.

The department has highly qualified team of faculty members and dedicated supporting staff. All the laboratories in the department are highly equipped with advance facilities. Design Laboratory of the Institute is situated in Electrical Engineering Department for which GUJCOST has assigned more than 25 Lakhs of equipment/instruments.

Major Topics To Be Covered

- Batteries and Energy Storage Systems
- Electric Motors and Controllers
- Smart charging methods for EV with charging infrastructure
- Vehicle Dynamics and Control
- Integration of EV Systems
- Advances in EV Battery Technology
- Autonomous and Connected Vehicles
- Future Trends in EV Design and Manufacturing
- Research Opportunities in EV Technology
- Power Quality issues
- Solar PV based EV charging stations

Course Objectives:

Key motivations behind proposing the short term training program on “Fundamentals and Recent Advances in Electrical Vehicle Technology” includes:

Environmental and Regulatory Pressures:

Governments and international bodies are pushing for stringent emissions standards, promoting the adoption of EVs over traditional internal combustion engine (ICE) vehicles

Industry Growth and Opportunities:

The EV industry is projected to grow exponentially, creating demand for skilled professionals who are well-versed in both the foundational concepts and cutting-edge innovations in this field.

Interdisciplinary Skill Development:

The course emphasizes the need for an interdisciplinary understanding, integrating electrical engineering, mechanical systems, energy storage and digital technologies in modern vehicles.

Registration and General Information

APPLICATIONS FOR PARTICIPATION IN THE 'COURSE' SHOULD FILL IN THE GOOGLE FORM USING THE FOLLOWING LINK

<https://forms.gle/cJPe5QstAgh6iMpK8>

Instructions to fill out the Google Form

- All fields mentioned in the Google Form are mandatory.
- Participants must attach scanned copies of the Filled Registration Form, Payment Details, and Institute ID card.
- Alternatively, the participants can send the application to the following email ID:

rbd.eed@gdec.in (8758168374)

bst.eed@gdec.in (8141517187)

Course Fees:

Students (UG/PG/PhD): 300/-

The non-refundable registration fee should be deposited through net banking/UPI Payment to the account details below.

Bank Account Name : GIDC DEGREE ENGINEERING COLLEGE

Account No. : 33895177757

Bank Name : STATE BANK OF INDIA

IFSC Code : SBIN0015205

Branch : ABRAMA

(Kindly save the receipt or take a screenshot of the payment)

Organising Team

Patron

Prof.(Dr.) Hiralal S. Patil,
I/C Principal

Co-patron

Dr. Rakesh. J. Motiyani
Head, Electrical Engg. Dept.

Organizing Coordinators

Prof. Rohit B.Damor

Electrical Engg. Dept.

Prof. Bhavin.S.Trivedi

Electrical Engg. Dept.

Prof. Kenal Tandel

Automobile Engg. Dept.

Mrs.Chetna Patel

Electrical Engg. Dept.

Eminent Speakers

Dr Varsha Shah

Dr Ashraf Mulla

Dr Naimesh Zaveri

Dr Pritesh Mankad

Dr Kashyap Mokariya

Dr Jignesh Desai

Prof Toral Patel

Dr Ankur Desai

Prof Bhavin Trivedi

Application Form

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on

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(3rd March - 7th March 2025)

Full Name: _____

Designation: _____

Department & Institution with Address: _____

Male/Female: _____

Mobile: _____

E-mail: _____

Academic Qualifications: _____

Experience (Years): _____

Teaching: _____

Research: _____

Industry: _____

I declare that the details furnished above are correct to the best of my knowledge and belief.

I also abide by the rules and other conditions prescribed by GDEC Navsari.

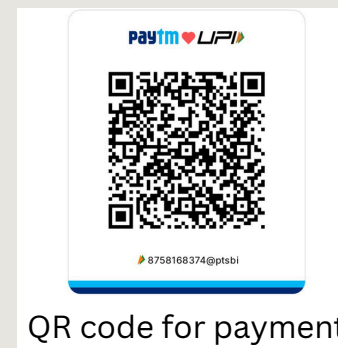
Signature of the Applicant :

Place:

Date:

Last date for Registration:

28-02-2025



QR code for payment